

2700BC

The first pyramid was  
built c 2700 BC by King Zoser.  
Its construction involved  
a practical knowledge  
of geometry that was not  
formulated in theory  
for many centuries.

© 1700 BC

The Great Pyramid of Cheops was built. Covers 13 Acres & is as 42 story Bldg

The Ancient Egyptian engineers established a truly horizontal surface for the foundation by cutting channels in the rock, filling them with water.

And then on a calm day, sticking in rods and measuring the water-line. Then then cut the surface of the

rocks down to the waterline. many thousands  
of men, quarrymen, and laborers toiled for  
20 yrs to build this tomb, stones range in size  
from 2 1/2 to 15 tons numbering 2 1/2 million total  
the corners are almost exactly right angles and the  
sides precisely face the main points of the  
compass - north, south, east, west. They hauled  
huge chunks of rock (stone) on wooden sledges  
using, thick ropes, made of plaited reed.  
Each block was slid into position on a bed of  
liquid mortar. The final task of facing the  
pyramid with its overlying skin of lime-  
stone was begun at top. In 9th Century AD  
Arab workmen tunneled to the burial chamber  
& found only a rubble sepulchre. They took the limestone

C 2700 B.C

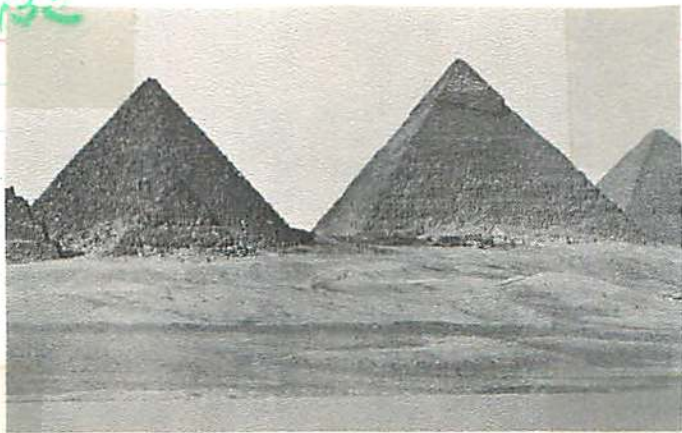
Cheops was Pharaoh. Pyramid  
13 acres of land covered  
2,500,000 blocks of sandstone  
to a height of 40 stories (Prudential  
Bldg in Chicago). Blocks of stone  
ranged in size from  $2\frac{1}{2}$  Tons to 15T  
each. The whole pyramid was covered  
with carefully cut slabs of polished  
limestone. Piece of tissue paper would

not fit between.

Inside this Pyramid put St. Peter's,  
St Paul's and Westminster Abbey (both in London)  
plus Cathedral of Florence and Milan  
Granite was cut at Aswan 600 mi up the  
Nile; floated on barges & then 1 mi up a  
supply ramp (The ramp alone took 10 yrs to build)  
The Pyramid took 30 yrs. 100,000 men  
worked in shifts for 30 yrs.

no wheels - no mortar

C7700 B2



## 2. Pyramids of Giza

*No wheels, no mortar, just muscle*

Library of Congress

2700 BC

Bristlecone pines as old as 4700  
years are found in the rain  
shadow of the Sierra Nevada  
range among California's  
White Mtns (1040 Nat'l Forest.)

2700 B.C.

Cheops builds Great Pyramid  
at Giza.



2700 BC

Babylonian Cal.

The Sumerians used artificial time units in referring to the tenure of some high officials—e.g. on the N-day of the term of office of PN governor. The Sumerian administration also needed a time unit comprising the whole agricultural society: for ex. from the delivery of new barley

and settling of pesterant accounts to the  
next Crop. This financial yr began  
about 2 months after barley cutting.

For other purposes, a year began before  
or with the harvest. This fluctuating  
and discontinuous year was not  
precise enough for the meticulous  
accounting of Sumerian scribes

2700 BC

The beverage of Tea originated  
in China around 2700 BC

2700BC

7 wonder

Pyramids of Egypt  
Khufu (Cheops)

2700 BC

The beverage tea originated  
in China.

It became popular in  
England, Holland, and America  
by the early 18th cen. A.D.

1700  
c. ~~2600~~ BC

Egyptian priests aligned the  
pyramids and a celestial  
body with a sighting  
instrument called a  
MERKHE T

Built Cheops Pyramid: sides  
facing North, south, east &  
west.

2700 BC

Beginning of Egyptian Old  
Kingdom

2700 BC

First Chinese  
(2700 BC) Bronze Artifacts



c. 2700 BC  
~~3000 BC~~

About 5000 yrs ago, the Egyptians built what is still today the world's biggest clock. It was designed to measure time in hours, days, seasons, and even centuries.

It is the Great Pyramid of Cheops built in 27th century BC. Probably the world's oldest astronomical observatory on the ground adjoining the

northern and southern faces, wide, level pavements, or "shadow floors" had been constructed. In winter the pyramid cast its shadow on the pavements to the north & in summer its highly polished southern face would reflect onto the pavement to the south.

The days could be measured and such seasonal positions as the equinoxes and solstices accurately forecast. The descending passage that leads down to a pit in the heart of the pyramid was set at an angle of  $26^{\circ} 17'$ , the exact alignment to aim it at the Pole Star (not the existing Polaris).

2700 BC

When the Great Pyramid was built, the Egyptian Pole Star was THUBAN in the constellation of the Dragon.

But as the earth has moved, so the Great Pyramid has moved with it and aligned itself on Polaris, the new Pole Star.

2700 BCE

Silk weaving in China

2700 BC.

The oldest written "story" <sup>Egypt.</sup>  
in the world.

A peasant robbed through a legal trick by the favorite of a royal officer, appeals to the judges and finally to the king. The king commands redress, urging this officer to do justice "like a praiseworthy man praised by

praiseworthy"

2700 BC  
C ~~3000~~ BC

Egypt, the giant on the Nile was  
the first great power to stretch out its  
tentacles toward Canaan

We brought 40 ships laden with cedar trunks  
We built ships of cedarwood. We made  
the doors of the king's palace of cedarwood  
note: from a timber importer about 2700 BC  
from reign of Pharaoh SNEFERU (Hard  
black clunk - in museum in Palermo)

Dense woods covered the slopes of Lebanon. The excellent wood from its cedars and merru, a kind of cypress, were just what the Pharaohs needed for their building schemes.



2700 BC

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Pyramids built in Egypt

2700 - 2000 BC

In south of Mesopotamia,  
the dynasty of UR.

2700 BC

GILGAMESH became the most famous hero of SUMER's Heroic Age.

2700BC

When the Great Pyramid was built, the passageway leading down to the heart of the pyramid was set at  $26^{\circ} 17'$ , the exact alignment to aim it at the Pole Star.

At that time, the Pole Star was THUBAN in the constellation of the Dragon.

Now, it aligns on Polaris.

2700 BC

Egypt

Old Kingdom began ca 2700 BC  
lasted some 550 years

Population was probably  
between  $1 \bar{M}$  &  $1.5 \bar{M}$

$1 \times 10^6$  to  $1.5 \times 10^6$

Less than 1% were literate

C2700-72550BC

Smithsonian P380 Apr 1986

The moment he ascended the throne, it was traditional for an Egyptian Pharaoh to start building a magnificent pyramid to become his memorial and final resting place.

Early conception that men were slaves has been largely refuted by

Egyptologists, who now believe they were mostly peasants drafted on a rotating basis for stunts of several months each year.

They believe the great bulk of stone was in fact quarried right on the plateau. They have even traced some of the stones to their original site.

2703C

1912 Dates J-BK

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Records show cultivation of  
Soy Bean in China



2700BC

Great Pyramid of Cheops was  
built

42 stories high - covers 13 Acres of desert  
 $2\frac{1}{2}$  million stones weighing  $2\frac{1}{2}$  to 15 Tons

Used the lever, the roller, the inclined plane.

Sledges were used through the sand.

Nearly perfect right angles on corners  
lined up - north, south, east, west.

2700BC

Wonder of  
Ancient World

## PYRAMIDS of EGYPT

Were started by KHUFU (CHEOPS) around 2700BC. as tombs for the ancient kings. The three largest and finest were erected during the Fourth Dynasty, at GIZEH, near CAIRO. The largest of the group is the KHUFU PYRAMID, built of limestone blocks from a base 756 ft wide on each side and covering an area of 13 acres. It is 482 ft high.

Smaller pyramids were built for  
wives and other members of the  
royal families

C.2700 b2550BC

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Pharaohs of 4th Dynasty managed  
to quarry & transport 11 million  
cubic yards of stone & fashion  
them into pyramids, temples,  
causeways, without the aid of  
either beasts of burden or  
the wheel.

Pharaoh Khufu (called Cheops  
by the Greeks) began the first

structure there; the Great  
Pyramid.

Ca 2700 BC

ABYDOS

The Tombs of kings from late  
predynastic times to end of  
Dynasty II (Ca 2700 BC).

Abutting temple of SETI I (1291 -  
1279 BC) is the ~~OST~~ OSIREION

C2700BC

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Third Dynasty step Pyramid  
of King SEKHEM KHET at Sakkara  
When tomb was opened they  
found that the coffin was empty  
and always had been.

2700 B.C.

Third Dynasty starts 2700 B.C.



2700 BC

Agriculture reaches China; royal inscriptions appear in Sumer; Sumerian script used in Akkad; Sumerian fashions prevalent in Mari

2700 BC

The North Star was the star THUBAN  
in constellation DRACO

2700BC

Minorian navigators began to venture into seas beyond the Mediterranean.

2700BC

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## SUMERIA

Great libraries had been formed  
in Sumeria.

AT TELLO, for ex. De Sargac  
discovered a collection of over  
30,000 tablets

2700BC

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Gilgamesh was ruler of  
Uruk. He was the subject of  
several epics.

The full assembly of citizens  
backed Gilgamesh - overruling the  
elders

C 2700-2300 BC

Early Bronze Age II

Was a troubled time. Many cities were attacked, partly destroyed, and rebuilt; some several times.

Decreasing rainfall and soil erosion brought about by

DEFORESTATION & PRIMITIVE

AGRICULTURE may have led to disputes between cities over prized agricultural land. Few

finally destroyed Early Bronze Age III  
TERRITORY

At Megiddo, partial occupation  
of the site continued after the  
end of EB III

By the end of EB III urban  
societies had entirely collapsed  
Egypt had suffered a temporary  
decline.

2700 BC

Buttle Wagon - Western Asia (Ur)



2700 BC

There arose in AKKAD a Semitic prince SHARGANI, who was clearly the original of the partly mythical hero SARGON the traditional founder of the Semitic power in Mesopotamia.

He united SUMER & AKKAD under his sway  
After him came NARAM SIN

2700 BC

Ancient Egyptian skull showing  
damage from cancer to bone of  
palate and jaw.

2750-2180 BC

Old Kingdom - Period  
Dynasties III, IV, V & VI

Egypt

2700BC

ARCH was 1st used

EGYPT - THE OLD KINGDOM (C. 2700 - 2200 B.C.)  
CONSTRUCTED PYRAMID TOMBS  
PRODUCED WORLD'S FIRST KNOWN SOLAR  
CALENDAR. KEPT RECORDS & DISCOVERED  
THAT THE AVERAGE PERIOD BETWEEN  
INUNDATIONS WAS 365 DAYS. NOTED NILE  
FLOOD COINCIDED WITH THE ANNUAL APPEARANCE  
OF THE DOG STAR (SIRIUS) IN EASTERN  
HORIZON AT DAWN

JULIUS CAESAR IN ROMAN TIMES  
CORRECTED BY ADDING AN EXTRA  
DAY EVERY FOUR YEARS

2700 BC

KHUFU (CHEOPS) rules Egypt  
and builds the GREAT PYRAMID  
at GIZA

4700 yrs ago (2700 BC)

Thus were human beings buried at much the same time as the donkeys, and by 4700 yrs ago (2700 BC) entombing Sumerian royalty at Ur required the slaughter of courtesans, guards, and especially women.



C 2700 B C

Egyptian trade with BYBLOS began.

2700 BC

Copper in common use in  
Egypt.

Pictures used in graves as  
part of funerary arrangements.